

Title (en)
Organic laser cavity arrays

Title (de)
Organische Laser-Resonatoren-Array

Title (fr)
Réseau de cavités Laser organiques

Publication
EP 1411607 A3 20060308 (EN)

Application
EP 03078153 A 20031006

Priority
US 27209302 A 20021016

Abstract (en)
[origin: EP1411607A2] An organic laser cavity structure is described, comprising a plurality of organic laser cavity devices, each organic laser cavity device characterized by: i) a first dielectric stack for receiving and transmitting pump beam light and being reflective to laser light over a predetermined range of wavelengths; ii) an organic active region for receiving transmitted pump beam light from the first dielectric stack and for emitting light; iii) a second dielectric stack for reflecting transmitted pump beam light and laser light from the organic active region back into the organic active region, wherein a combination of the first and second dielectric stacks and the organic active region produces the laser light; and a predetermined arrangement of the plurality of organic laser cavity devices, such that a desired laser output is obtained.
[origin: EP1411607A2] A predetermined arrangement such as geometric, linear, two-dimensional, random, hexagonal two-dimensional and Bayer pattern of organic laser cavity devices (200) produce desired laser output.

IPC 8 full level
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